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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/694,293	10/23/2000	Stephen T. Kuehn	S16.12-0101	1653
22865	7590 07/07/20	5	EXAMINER	
ALTERA LAW GROUP, LLC			NGUYEN, VI X	
6500 CITY WEST PARKWAY SUITE 100			ART UNIT	PAPER NUMBER
MINNEAPO	LIS, MN 55344-77	4	3731	
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DATE MAILED: 07/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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••	Application No.	Applicant(s)	- y -			
	09/694,293	KUEHN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Victor X. Nguyen	3731				
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may ply within the statutory minimum of d will apply and will expire SIX (6) N te, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 04.	April 2005.					
<u> </u>	is action is non-final.					
•-						
Disposition of Claims						
4) ⊠ Claim(s) <u>1,3-5,7,10-13 and 30-33</u> is/are pend 4a) Of the above claim(s) <u>2,6,8,9,14,16,17,19</u> 5) ⊠ Claim(s) <u>18,20,23-26 and 28</u> is/are allowed. 6) ⊠ Claim(s) <u>1,3-5,7,10-13 and 30-33</u> is/are rejection is/are objected to. 8) □ Claim(s) are subject to restriction and an are subject to restriction and are	9 <u>,21,22,27 and 29</u> is/are v	vithdrawn from consideration.	,			
Application Papers						
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiration.	ccepted or b) objected e drawing(s) be held in abe ction is required if the draw	vance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority copies of the priority copies of the certified copies of the priority copies of the priority copies of the certified copies of the priority copies of the priority copies of the priority copies of the certified copies of the priority document copies of the priority d	nts have been received. nts have been received in fority documents have be au (PCT Rule 17.2(a)).	Application No en received in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06) Paper No(s)/Mail Date	Paper I	w Summary (PTO-413) lo(s)/Mail Date of Informal Patent Application (PTO-152)				

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,3-5,7,10-13 and 30-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Krueger et al (5,578,076).

Krueger et al disclose in Figs. 1-2, a heart valve fastener (10) having the limitations as recited in claims 1 and 3, including: one pair of arms (16), where arms pivot from one orientation to a gripping position with ends of the paired arms being directed toward each other (at best seen in fig. 2 where the curved segment 74 is capable of being directed toward the curved segment 76. Regarding the intended use of the pair of arms are sized and adapted for fastening two adjacent tissue heart valve leaflets, a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. In the instant case, the arms of Krueger would have been capable of performing the use as claimed. In a claim drawn to a process of making, the intended use must result in a manipulative difference as compared to the prior art. See In re Casey, 152 USPQ 235 (CCPA 1967) and In re Otto, 136 USPQ 458, 459 (CCPA 1963). As to claims 4-5,7,10-13, a system further has a catheter or a trocar (see col. 2, lines 63-67, col. 3, line 1 and col. 4, lines 14-18) that is inherently capable for deployment into a human heart, where the paired arms (16) extend toward each other when the fastener is in a gripping

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position, and where the arms flex to a low profile position to fit within the catheter, where the fastener further has a shaft (60) that is releasably holding the fastener of the shaft

Regarding claims 30-33, Krueger et al disclose in Fig. 18, where a fastening member comprises a cap (370) and a gripper (366) comprises a plurality of arms (374) from a pivot (372), where each arm has a spike (376), and where the cap comprises a locking mechanism to lock the gripper in a lock position (see col. 6, lines 41-51), and where the fastener further has a flexible rod (125) which has a disengaging mechanism (fig. 5) which permits the rod to releasably holding the cap.

Allowable Subject Matter

2. Claims 18,20,23-26 and 28 are allowed.

The following is a statement of reasons for allowance: None of the prior art of record, alone or in combination, discloses or suggests where a heart valve repair instrument comprising a cap that is located distal to the pivot and the pivot is located distal to a shaft, where a flexible rod connects to the cap to provide for movement of the cap relative to the pivot of the gripper and the shaft by pulling the flexible rod, where the cap has an opening that can be positioned over the pivot to lock the arms in a closed position.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Response to Arguments

Applicant's arguments filed 4/4/2005 have been fully considered but they are not persuasive. Applicant states that examiner should not have been withdrawn claims 4-5,7,10-13,18,20,23-26,28 and 33. In response to this argument, examiner asserts that the replacement drawing of figure 15g includes claims 4-5,7,10-13,18,20,23-26,28 and 33 for the purposes of examination.

In response to applicant's argument that Krueger "does not suggest a pair of arms being adapted for fastening two adjacent tissue heart valve leaflets" (a functional limitation): It is noted that figure 1 of Krueger can be clearly defined element 16 having a pair of arms. Thus, a reference needs not show the structure of the recitation in order to meet the claim language but rather the reference needs only be capable of being used with such structure. Accordingly, the above noted reference is still considered to read on the claimed limitations of the claims noted.

In response to Applicant's argument, the recitation that "A heart valve leaflet fastener" has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - U.S. Pat. No. 4,605,002 to Rebuffat U.S. Pat. No. 6,695,866 to Kuehn

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor X. Nguyen whose telephone number is (571) 272-4699. The examiner can normally be reached on M-F (8-4.30 P.M).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anh Tuan Nguyen can be reached on (571) 272-4963. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Victor X Nguyen Examiner Art Unit 3731

Vn VN 6/30/2005 Julian M. Woo

JULIAN W. WOO PRIMARY EXAMINER